

Touchmatic

Touchmatic

Amana® Radarange®
MICROWAVE OVEN

Use & Care Manual

Written as a step-by-step guide to teach you how to operate your Radarange Oven at your convenience and in the privacy of your own home.

Model RRL-9TA

Read this manual carefully before installing and operating your new Radarange Oven. Store this manual in the specifically designed pocket inside the front cover of your Amana cookbook.

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Radarange®
MICROWAVE OVEN

Record in space below the Model No., Manufacturing No. and Serial No. recorded on the nameplate of your range. The nameplate is located behind the left side of the black grill above the door.

Model No. _____

Manufacturing No. _____

Serial No. _____

Date Installed _____

Retain these numbers for future reference. We suggest you also retain your sales receipt.

Installing and Learning the Correct Use of Your Microwave Oven

In this session you'll install your microwave oven, learn how to set the clock and learn the rules and precautions for using the Radarange Oven.

Installation—Follow these easy steps:

- A. Unpack and visually check the unit. After the oven is uncrated, all packing material must be removed from the oven cavity.

Inspect the oven for any damage such as damaged gasketing around the door, dents or holes in the screen of the door or dents inside the oven cavity.

Any dents or breakage should be reported to your Amana Dealer and the delivering carrier immediately. Your Amana Dealer will tell you if the unit will operate correctly.

- B. On the back of the oven is a metal serial plate. Record the model number, manufacturing number and serial number stamped on the plate in the space provided on page 1 of this book.

We suggest you also retain for future reference your Sales Receipt, or any document prepared by your selling dealer, which states model number, manufacturing number, serial number, and purchase or delivery date.

- C. Complete the warranty registration. Included with the packet that comes with the oven is a punched registration card.

This must be filled out and returned to Amana Refrigeration, Inc., Amana, Iowa 52203. Federal regulations require that all manufacturers of microwave ovens have a permanent record of the owners of each oven.

- D. Connect the oven to electrical power source. The Radarange Oven is designed to operate on 120 volt, 60 cycle current. It should be plugged into a 15 amp. grounded and polarized circuit that does not have any other appliances or lights on it. If a microwave oven is on a circuit with other appliances, cooking times can be increased and fuses can be blown.

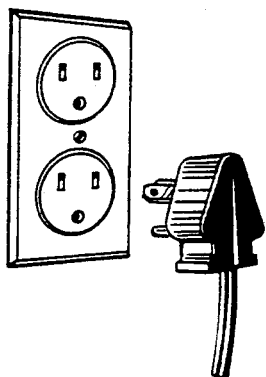
This appliance is equipped with a three-prong (grounding) plug for your protection against possible shock hazards. Where a two-prong wall receptacle is encountered, it is the personal responsibility and obligation of the customer to contact a qualified electrician and have it replaced with a properly grounded and polarized three-prong wall receptacle in accordance with the National Electrical Code.

Do not use an extension cord.

Do not use a two-prong adaptor.

Do not under any circumstances cut or remove the round grounding prong from this plug.

The unit must be grounded at all times. If you move the oven from area to area, the receptacle you use must be fully grounded and polarized.



Do not build the oven in with the sides, top or bottom air flow restricted. The oven must have sufficient air flow around it. If you wish to build in the Radarange Oven, an optional (at extra cost) built-in kit can be ordered through your Amana dealer.



E. Read and follow these Rules for Safe Operation

The Amana Radarange Oven is designed to be safe and reliable. Now we ask you to do your part. As with all appliances, there are certain rules to follow, some that apply to **all** microwave ovens and some which are unique. Make sure everyone who cooks is familiar with this product's operation and with these precautions.

1. PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- (a) Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
- (b) Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
- (c) Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the: (1) Door (bent), (2) hinges and latches (broken or loosened), (3) door seals and sealing surfaces.
- (d) The oven should not be adjusted or repaired by anyone except properly qualified personnel.

2. Precautions about general use

- (a) **Always touch the  pad before programming the oven.** This is especially important whenever electrical power has been interrupted.
- (b) **Extreme overcooking**, as in conventional cooking, can cause food to smoke or possibly ignite. In the rare event this happens, push the  switch, keep the oven door closed and the fire will self extinguish.
- (c) **Do not operate the oven when it is empty.** Microwave energy can damage the magnetron tube if the oven is operated empty for an extended period of time.
- (d) **Food and cookware** should not be rested on the oven door. It could misalign the door.
- (e) **Water** must never be poured into the bottom of the oven.
- (f) **Do not remove the outer case, door or control panel at any time.** Doing so would expose you to extremely high voltage. **All service and repair should be performed by a qualified service technician.**
- (g) **Do not leave the oven unattended when drying anything.** Foods, or other items, can become too dry and can ignite. If

anything does ignite, press the **STOP** switch. Do not open the door until after the fire stops.

- (h) The Amana Model RR-9TA Radarange microwave oven is designed for home use only; do not use this oven for commercial purposes. Amana manufactures a full line of microwave ovens designed especially for use in restaurants, factories, offices and other commercial areas. Inquiries regarding Amana Commercial Radarange Microwave Ovens should be directed to Amana Refrigeration, Inc., Amana, Iowa 52204.

3. Precautions regarding specific features

- (a) The **temperature probe** must always be stored outside the oven when not in use.
- (b) The **temperature probe** must always be securely inserted into food. If the probe should fall out, it will sense air temperature and the food will overcook.
- (c) The **temperature probe plug** must not be immersed in water for cleaning, and should not be washed in a dishwasher.
- (d) When **holding a food at temperature** in your Radarange Oven, always select a temperature of 140° F or above to prevent the growth of bacteria and toxins.

4. Precautions regarding specific types of foods, etc.

- (a) **Eggs** must not be cooked or reheated in the shell, or with an unbroken yolk. To do so may result in a pressure build-up and eruption. Pierce the yolk with a fork or knife before cooking.
Do not reheat previously cooked eggs in the microwave oven unless finely chopped or scrambled.
- (b) **Potatoes, tomatoes, or other foods with a "skin"** must only be cooked in the microwave oven after the skin has been pierced. All foods with an outer skin or membrane must be pierced to allow steam to escape during cooking.
- (c) **Ordinary popcorn** must only be popped in the Radarange Microwave Oven in the specially designed Radarange Microwave Popcorn Popper. Special popcorn in bags designed and labeled for **microwave only** may also be used.
- (d) **Liquids** must be briskly stirred or poured (to mix in air) before being heated in a microwave oven. If air is not mixed into a liquid, it can erupt in the oven or when removed.
- (e) **Home canning** must not be done in a microwave oven. Home canning is generally done with metal lids. Since metal lids reflect microwaves, you cannot be assured that the food product will be heated uniformly to 212° F or above, and there is a probability of deterioration of the food product. USDA extension specialists do not recommend home canning in microwave ovens.

5. Precautions regarding utensils

- (a) **Containers with restricted openings** such as syrup bottles must not be used for cooking. Food or liquid could expand quickly and cause the container to break.
- (b) **Regular cooking thermometers** must not be used in the Radarange Oven. Most cooking thermometers contain mercury and may cause "arcing", malfunction, and/or damage to the oven.
- (c) **Plastic bags (and other air-tight containers)** must always be pierced or opened before heating in a microwave oven. This is needed to allow steam to escape during cooking.
- (d) **Metal cookware** is not recommended for use in the microwave oven. Do not wrap food in aluminum foil except when recommended in the recipe (as poultry). The use of metal cookware, "TV" dinner trays or foil will increase cooking time and decrease energy efficiency. It usually causes uneven cooking and can cause "arcing". Also, with extended use, metal cookware could damage the magnetron tube of any microwave oven designed for home use.
- (e) **Newspapers** must never be placed in a microwave oven. Some types of printers' ink can absorb microwave energy and could cause the paper to ignite.
- (f) **Paper towels** which contain nylon or other synthetic fibers woven through them must not be used because the heated synthetics could cause the paper to ignite.

F. Check to be sure the light works.

Locate this switch on the bottom right hand corner of your Radarange Oven:

LIGHT

This switch turns the interior light "on" and "off" when the oven door is closed. (The interior light will always be on when the oven door is open.) **Close the door. Push the switch to turn the light on. Push again to turn it off.**

G. Check operation of the latch and interlock switch systems.

The Radarange Oven Model RR-9TA contains latch and interlock switches to assure no microwave energy is generated when the oven door is open.

When the door is closed, the control panel programmed, and the start switch pushed, a latch automatically locks the door before microwave energy is generated. As long as the oven is cooking (with time left on the timer and the start switch pushed) the door is latched. In addition, hidden back-up interlocks sense motion of the door if it is opened, and automatically turn the oven off.

Here is how you may check the operation of the latch:

1. Put a glass of water in the Radarange Oven.
2. Locate these switches on the Radarange Oven:

START

STOP

LIGHT

3. Touch **RESET**.
4. Touch **5**, then **O**.
5. Push the **START** switch. The oven should now be operating and the latch should be engaged.
6. Push the **STOP** switch. The oven should shut off immediately. The sound of the motor should cease. The latch should now be disengaged and the door should open freely.
7. **Open the door fully.** The light should come on when the door is opened.
8. Touch **RESET**.

If under any of the preceding conditions the oven does not operate as stated, do not use it. Call your Amana dealer or authorized servicer.

H. Set the Clock.

To set the time of day:

1. Touch **RESET**.
2. **Enter the time of day by touching the numbers in sequence.**
For example, if it is 10:35 (a.m. or p.m.), touch the number pads in sequence beginning with the **1**, then the **O**, followed by the **3** and ending with the **5**.
3. Touch **CLOCK** twice. The clock is now set.

If the power to the oven is interrupted (for example if the oven is unplugged or if there is a power failure) the time of day will be erased. To reset the correct time of day, repeat steps.

Summary — To Set the Clock

1. Touch **RESET**.
2. Touch numbers in sequence; for 10:35, touch:
1 O 3 5
3. Touch **CLOCK** twice.

Your Radarange Oven is now ready to use and you're familiar with the basic precautions for its safe use. In Session #2 you'll read the introductory chapter of your Amana cookbook.

Session 2

Read "Introduction to Radarange Cooking", the first section of your Amana cookbook. In reading this chapter you'll learn:

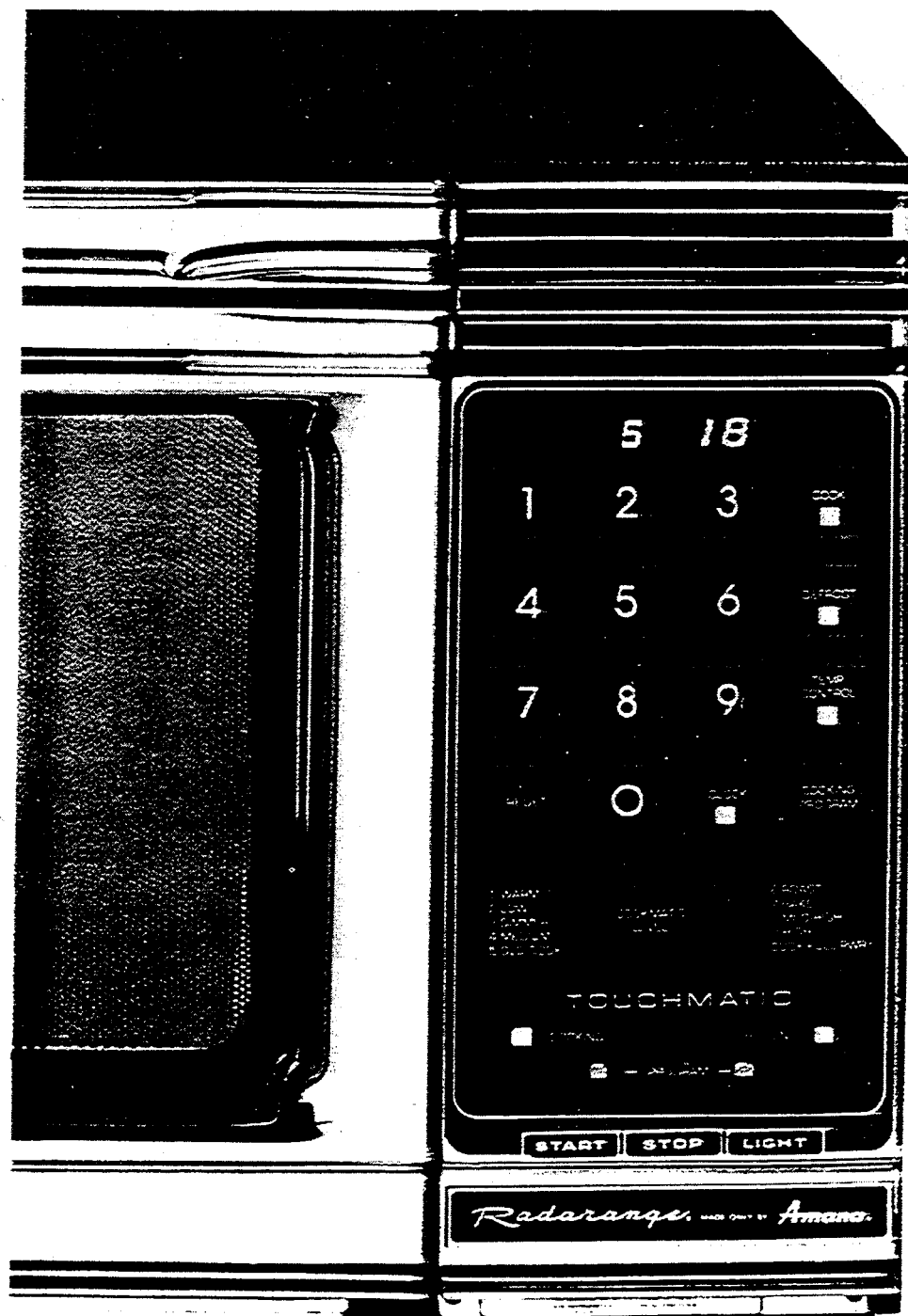
- how to use the cookbook
- the meanings of microwave cooking terms
- types of accessories and utensils recommended for use in your microwave oven
- many microwave cooking techniques
- how to adapt your favorite conventional recipes for the microwave oven.

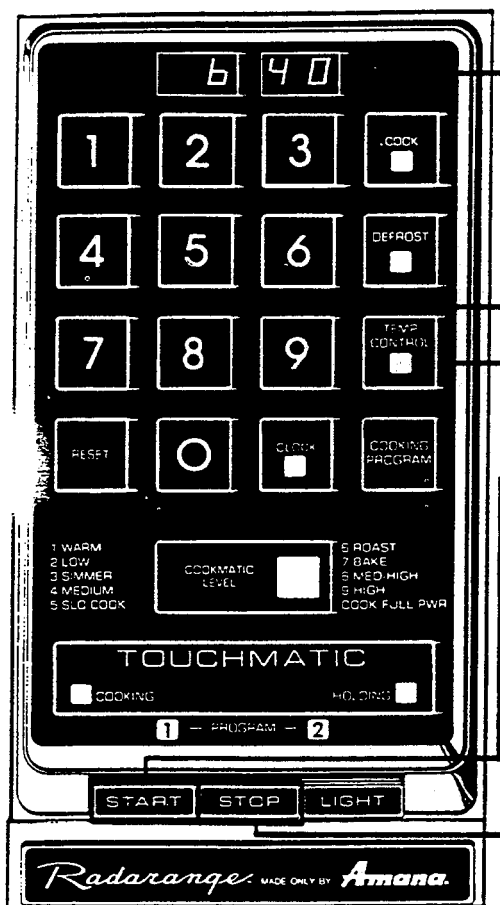


Session 3

Quick Cooking By Time With Full Microwave Power

In this session you'll learn how to do quick cooking with full microwave power.





The control panel on your Radarange Microwave Oven looks like the picture at left. In this session you'll only use the areas outlined.

READOUT DISPLAY — Normally shows time of day.

- When cooking with time, it shows remaining cooking time.
- When cooking with temperature, it shows set temperature and actual temperature.

NUMBERS — Used to program everything into the Touchmatic Control. They're arranged just like a touch-type telephone.

RESET — Used to cancel all instructions given to the Touchmatic Control, except time of day. Touched before programming any oven instructions.

START SWITCH — Pushed to start cooking operation. You must program cooking time before pushing start switch.

STOP SWITCH — Pushed any time you want to stop cooking. When there is time remaining on the cooking timer, you must push **STOP** switch before door can be opened.

At some time while you're learning to use your Radarange Oven you may make a programming mistake. If you do make a mistake, or are confused about what you've done—it's easy to get back on the right track.

— If the oven isn't operating yet—Touch **RESET**.

This will cancel all the instructions you've given the oven and you can start again.

— If the oven is operating—Touch **COOKING PROGRAM**.

Touching this pad tells the Touchmatic Control you want to know what's happening inside the oven **right now**. If the oven appears to be

doing something other than what you intended, push the **STOP**

switch, then touch **RESET**.

This will erase everything you've set the oven to do and you can start again.

TRY IT! Cooking with Full Microwave Power

Cooking with Full Power is the fastest and easiest way to cook in a microwave oven. When at Full Power your RR-9TA will provide approximately 700 watts* of cooking power. It's **very** fast!

- A. **Put a cup or glass of water in the Radarange Oven.** This is to absorb the microwaves as you experiment with the controls. When there is no food, water or other "load" to absorb the microwave energy, it could damage parts of the microwave oven.
- B. Touch the **RESET** pad. Touching this pad causes it to cancel everything it's been told except the time of day. Always touch the **RESET** pad before programming the Touchmatic Control. This will cancel any "leftover" instructions from previous cooking or which might have been accidentally programmed by curious children.
- C. To heat the water 50 seconds with full microwave power:

1. Touch **5**, then **0**.

2. Push the **START** switch. The readout will display 50 in the window. This signifies 50 seconds.

- Notice the readout counts down from 50 to 1, telling you the amount of cooking time remaining.
- A red light will be on behind the "1" at the left of the word "PROGRAM" near the bottom of the Touchmatic Control. The oven automatically cooks in Program 1 before advancing to a second program which you may have instructed it to do. In Session #6 you'll learn to use the other program.
- The red Cooking light near the bottom of the Touchmatic Control will also be on. The Cooking light is on whenever the magnetron tube is producing microwave energy.
- Also notice that a red light will be on in the middle of the **COOK** pad. The light tells you what the microwave oven is programmed to do—cook.
- When the 50 seconds cooking time is finished, an audible signal will be heard, the oven will turn off and the door will be automatically unlatched.

D. To heat the water for 1 minute 30 seconds:

1. Touch **RESET**.

*per 1 liter test.

2. Touch **1**, then **3**, then **O**. The readout will be 130, signifying 1 minute 30 seconds.

3. Push the **START** switch.

4. Watch the readout "count down". Notice that the readout following 100 is 59. Remember—the last two digits of the readout mean seconds; the previous digits mean minutes. Since there are 60 seconds in a minute, the number that follows 100 (1 minute, 0 seconds) is 59, which stands for 59 seconds.

Again, notice that a red light in the middle of the **COOK** pad tells you the microwave oven is programmed to cook.

5. As the readout is "counting down", push the **STOP** switch.

Notice that when you stop the oven in the middle of what you're doing, it automatically "locks" the instructions in place.

6. Push the **START** switch again. When you push the start switch, the oven automatically starts cooking from where you interrupted it.

7. If you don't want to continue to cook, you can push the **STOP** switch, then touch **RESET** to return to time of day.

Summary — To Cook With Full Power

1. Touch **RESET**.
2. Touch cooking time (to cook 6 minutes 10 seconds—touch **6** **1** **O**).
3. Push **START** switch.

TRY IT! Changing a Time Entry

Occasionally you may make a mistake when entering a cooking time in the Touchmatic-Control. If you do, the entry can easily be changed.

Suppose you want to cook with full microwave power for 30 seconds but accidentally program it for 50 seconds.

A. Put a cup or glass of cool water in the Radarange Oven.

B. Touch **RESET**.

C. Touch **5** , then **0** .

D. To change the entry—

1. Touch **RESET** . The readout will return to time of day.

2. To enter the correct cooking time, touch **3** , then **0** .

E. Push **START** switch.

Summary — To Change a Time Entry

1. Touch **RESET** .

2. Reprogram correct entry.

In Session #3 you've learned how to cook with full microwave power and how to change an entry if you ever make a mistake while programming the Touchmatic Control. We suggest you practice what you've learned in Session #3 before going on to Session #4. Select any recipe in the cookbook which uses only Full Power and Try It! A few things we'd suggest you try are:

Breakfast

Soften frozen orange juice
Instant tea
Instant coffee
Frozen waffles
Heat syrup
Bacon
Breakfast rolls

Lunch

Made-Right Mushroom Burgers
Chili Con Carne
Soup (canned)
Leftover Stew
Reheat cookies

Dinner

Easy Barbecued Chicken
French Fish Fillets
Meat Ball Stew
Tuna Oriental
Frozen vegetables
Dinner rolls
Cherry Crisp
Fruit-Flavor Gelatin

Cooking With Cookmatic™ Power Levels/ Defrosting

In this session you'll learn to cook with lower microwave power levels. You'll also learn how to use the defrost cycle. To do these things you'll use sections of the Touchmatic control you didn't use in Session #1 or #3. Locate these controls on your Radarange Oven:



COOK PAD — Used whenever the Radarange Oven is programmed to cook a specific length of time **except** when doing quick cooking with Full Power (as you learned in Session #3).



DEFROST PAD — Used whenever the defrost cycle is desired.



COOKMATIC LEVEL PAD — Used to change the cooking power level.

TRY IT! Cooking at Cookmatic Power Levels

Many foods cook very well at full microwave power (as you learned in Session #3). However, just as some foods cook better conventionally at lower rather than higher oven temperatures, some foods cook better at lower rather than higher microwave power levels. Your Amana Radarange Microwave Oven has ten power levels to choose from. Each power level is particularly well suited for cooking different types of foods.

Each recipe in the Amana cookbook specifies the Cookmatic power level to be used for cooking. For example, the recipe in your Amana cookbook for Hot Chocolate is cooked at Cookmatic Level 8 (Medium High) for one minute 45 seconds. To heat a cup of hot chocolate:

A. Place a cup of chocolate milk (or a cup of cold water) in the Radarange Oven.

B. Touch .

C. Touch **1** **4** **5** .

D. Touch **COOK** . Note: This step is different than cooking at Full Power, as you did in Session #1. The **COOK** pad **must** be touched before proceeding to the next step.

E. Touch **8** , then **COOKMATIC LEVEL** . This tells the oven you want to use #8 Cookmatic Level (Medium High), which is 80% of full power.

F. Push **START** switch. The oven will now heat the hot chocolate at Cookmatic Level 8 (Medium High).

- Notice the red light in the middle of the **COOK** pad, indicating the oven is programmed to cook.
- Also notice the "8" in the middle of the **COOKMATIC LEVEL** pad, confirming the oven is cooking at Cookmatic Level 8 (Medium High).
- The Cooking light is flashing on and off. The Cooking light is on whenever the magnetron tube is producing microwave energy. As you will recall from Session #3, the Cooking light did not flash when cooking with Full Power. To cook with Cookmatic Power Levels, the magnetron tube cycles on and off, and the Cooking light flashes on and off accordingly.
- A red light will be on behind the "1" left of the word "PROGRAM" at the bottom of the Touchmatic Control. The oven automatically cooks in Program 1 before advancing to a second program you may have instructed it to do. In Session #6 you'll learn to use the other cooking program.

Summary — To Cook With Cookmatic Power Levels

1. Touch **RESET** .

2. Touch cooking time (to cook 1 minute 45 seconds, touch

1 **4** **5**).

3. Touch **COOK** .

4. Touch Cookmatic Level number (to cook at Level 3(Simmer) touch **3**).

5. Touch **COOKMATIC LEVEL** .

6. Push **START** switch.

TRY IT! Changing Cookmatic Level During Cooking

Sometimes you may want to switch the Cookmatic power level as you're cooking. For example, if something is cooking too quickly or appears like it might boil over, you'll want to change the Cookmatic power level to a lower setting. With your Amana RR-9TA Radarange Oven, you can change the power level instantly, without even stopping the oven.


A. Place a cup of hot tap water in the Radarange Oven.

B. Touch  .



C. Touch  , then  , then  again. This sets the Touchmatic Control to use three minutes.

D. Touch  . This programs the oven to cook.




E. Touch  , then  . This programs the oven to use the #9 Cookmatic Level.



F. Push  switch, so you can see inside the oven.

G. Push  switch. Notice the red light in the middle of the




 pad and the red "9" in the middle of the  pad.

These lights indicate the oven is cooking at Cookmatic Level 9. The water will start to boil during the three minutes. When it does, change the power level to a lower setting as follows:

1. Touch  , then  . Notice a red "2" will now appear in the  pad indicating the oven is cooking at Cookmatic Level 2. Watch the water—it will stop boiling but it will stay hot.

2. Touch   . This changes the Cookmatic level to Full Power. The water will now start to boil. Remember —when no Cookmatic power level is programmed, the Touchmatic control assumes you want to cook at Full Power. Therefore, to change a Cookmatic level from a lower setting back to Full Power, you must set the oven for "0" Cookmatic Level.






Summary — To Change Cookmatic Level While Cooking

1. Touch .
2. Touch new Cookmatic Level number (to cook at Cookmatic Level 3 (Simmer) touch ).
3. Touch .

TRY IT! Defrosting

Your Radarange Microwave Oven is designed to allow quick defrosting of frozen foods. Most foods are defrosted using the defrost cycle. The defrost cycle pulses microwave energy on and off automatically. During the "on" periods (approximately 30% of defrost time programmed) microwave energy is produced, heating the exterior of the frozen food. During the "off" periods the heat is conducted to the interior of the food. This allows the food to be evenly defrosted, with little or no cooking of the exterior before the interior is completely thawed.

Defrosting instructions for specific types of foods are provided at the beginning of appropriate chapters of your Amana cookbook. A 10 oz. package of frozen fruit is defrosted in 3-1/2 to 4-1/2 minutes.

- A. **Unwrap and place 10 oz. frozen fruit in a 1-quart covered casserole.**
If the fruit is packaged in a plastic bag, merely slit the bag to allow steam to escape. (If you do not have frozen fruit on hand, place 2 ice cubes in a cup in the Radarange Oven.)
- B. **Place fruit or cup of ice in Radarange Oven.**
- C. Touch  to erase any previous instructions.
- D. Touch , then , then . This sets the control for three minutes 30 seconds of time. (Note: Start with the shortest amount of time and increase only if needed.)
- E. Touch .

- F. Push **START** switch. Notice the red light in the middle of the defrost pad. It indicates the oven is programmed to defrost the fruit. The microwave power is being cycled on and off automatically as indicated by the flashing Cooking light.
- G. At the end of 3-1/2 minutes, **remove the casserole from the Radarange Oven. Remove cover, and stir fruit.**
- H. If additional defrosting is necessary return fruit to oven, touch

1 0 0, then **DEFROST** ; push **START** switch.

Note: Some frozen foods defrost better on one of the lower Cookmatic power levels. If defrosting with a Cookmatic power level is recommended, follow the directions for cooking with Cookmatic power


levels (page 13). The **DEFROST** pad is not used when defrosting with lower Cookmatic power levels.

Note: Many foods, especially meats, need to be completely defrosted before cooking begins. If not completely defrosted on the inside as well as the outside, cooking will be uneven. If ice crystals remain in the inside of meats when cooking starts, the meat will be done on the outside while the inside is underdone. Defrosting times and power levels suggested in the Amana cookbook have been thoroughly tested to provide optimum defrosting. Be sure to follow defrosting instructions exactly.

Summary — To Defrost (Using Defrost Cycle)




1. Touch **RESET** .
2. Touch defrosting time (to defrost 8 minutes touch **8 0 0**).
3. Touch **DEFROST** .
4. Push **START** switch.


TRY IT! Changing Cooking or Defrosting Time After the Oven is Started




In Session #1 you learned to touch  to erase a time entry before the oven is started. You can also change a time entry after the oven is started. You merely "write over" the original entry.

A. Place a cup of cool water in the Radarange Oven.

B. Touch .

C. Touch   . This sets the oven to cook for 2 minutes at Full Power. Since most of your cooking will be done at Full Power, the Touchmatic Control assumes it should Cook at Full Power unless you set it differently.





D. Push the  switch. The oven will now start cooking.


E. Touch   . Watch the control switch to 10 seconds cooking time, count down to zero and sound a tone.



F. Now let's try changing a defrost time while the oven is defrosting.

Touch    . The oven is now set to defrost for 3 minutes.

G. Push  switch.

H. Touch    . Notice the readout changes to 100

and the red light in the middle of the  pad stays on. Notice you

must touch the  or  pad when you change the time setting when the oven is operating. If you **don't**, the Touchmatic Control can't accept the instruction.

Summary — To Change Cooking or Defrosting Time After the Oven is Started

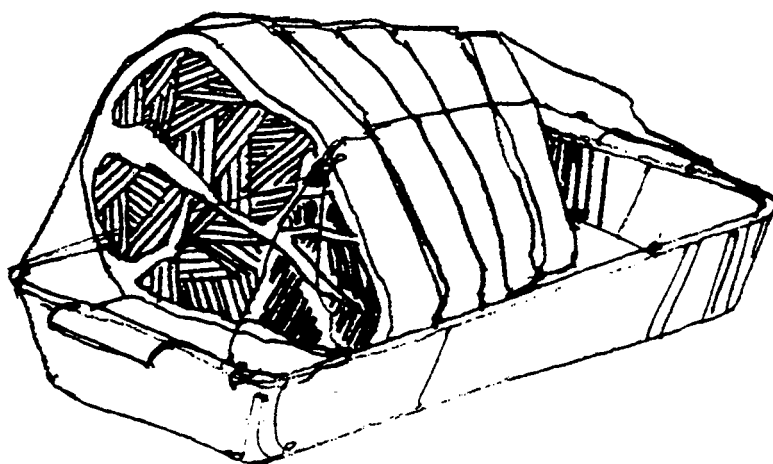
Write directly over the ongoing program as follows:

1. Touch new time (to change the setting to 1 minute, touch

1 0 0).

2. Touch **COOK** or **DEFROST** , depending on which function the oven is performing.

In this session you've learned to cook with lower microwave power levels. Plus you've learned to use the Radarange Oven automatic defrost cycle. We suggest you practice what you've learned in Session #4 before going on to Session #5. Try any recipe in the cookbook which uses any one of the Cookmatic power levels. You will also want to try defrosting. Select any food in a defrost chart (at the beginning of appropriate chapters in your Amana cookbook and Try It!



Using the Automatic Temperature Control System

Your Amana RR-9TA Radarange Oven has an automatic temperature control system which allows you to cook food to the precise temperature desired. You'll find this feature particularly helpful for cooking meats to the exact temperature you want. You can also use it to reheat leftovers, to warm soups and beverages and for many other cooking tasks.

The temperature probe is not intended for use as a candy thermometer. The highest temperature sensed by the probe is 190° F, while most candies require temperatures of 230° F or higher. The Amana Radarange microwave oven Touchmatic Candymaker (model MCT-1) may be used with your Amana RR-9TA oven. See your Amana dealer for ordering information.

To use the automatic temperature control system, you'll use a section of the Touchmatic Control you didn't use in Sessions #1, #3, or #4. Locate this control on your Radarange Oven:



TEMP CONTROL PAD — Used to cook food to a given temperature. It will also automatically hold food at the specified temperature until you turn the Radarange Oven off.

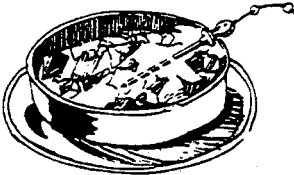
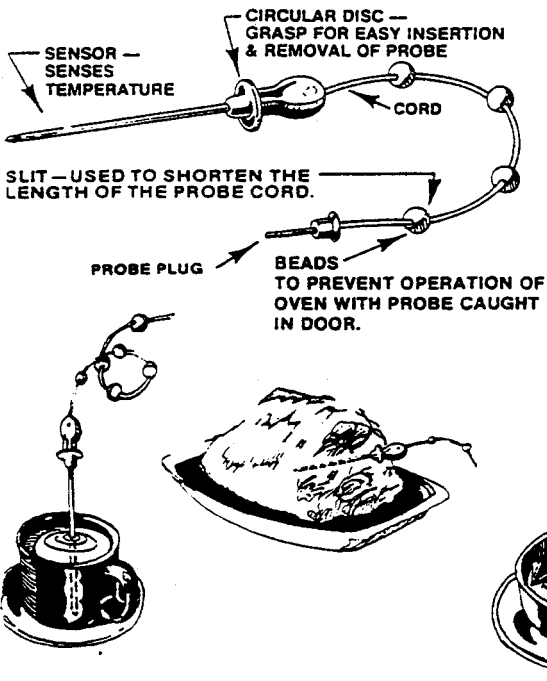
Special Hints for Using the Temperature Probe

Do

1. Insert probe as instructed in recipe or as shown at lower left.

- a. Meats
—With the sensor tip in the thickest section, away from fat and bone.
- b. Casseroles, Leftovers
—With tip in center of casserole or dish, not touching bottom or sides.
- c. Beverages
—With tip in center of liquid.

2. Be sure probe is **securely** inserted into food. If probe should accidentally fall out of food, it will sense air temperature and the food will overcook. If the probe tends to slip out of the food, loop the cord (as shown in the beverage drawing at left). The cord can be secured in the slit in the bead closest to the probe plug. Simply loop the cord, then press a section of the cord into the slit in the bead.




3. If you plan to use the temperature probe to cook frozen food—plan ahead. You **must** prepare the food to accept the temperature probe **before** it is frozen. The sensor tip of the probe can be damaged if it is forced into frozen food. To prepare the foods **before** they are frozen:

- Insert a clean, rigid **plastic** drinking straw into the meat, casserole or other unfrozen food. Insert the straw in the same location in which the temperature probe will be placed. Be sure the end of the straw is in the center of the food, away from fat and bone.
- Using scissors, clip the length of straw protruding from the surface of the food. Discard, or use for another piece of meat.
- Wrap and freeze food as usual.

The straw will form a channel into the frozen food. When you remove the food from the freezer the probe can be inserted through the straw. The food can then be defrosted and cooked without need to return to the oven to insert the temperature probe after the food is thawed.

- If you forget to insert the straw before freezing, or purchase food pre-frozen, defrost food completely before inserting temperature probe. The sensor tip of the probe can be damaged if forced into frozen food.
- Complete defrosting of food is essential before the Radarange

Oven cooks using . If the temperature probe is in contact with a frozen area (such as the center of a partially defrosted roast) the Automatic Temperature Control System may turn the RR-9TA off shortly after the oven has started cooking using



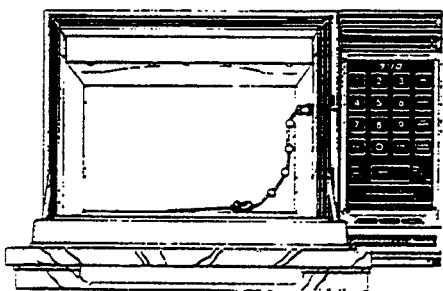
. Therefore, when using the temperature probe in a frozen food (which has been prepared with a plastic drinking straw as described) you should program your RR-9TA all at once to defrost, automatically hold, and then cook to temperature as you will learn in Session #6.

- If a recipe suggests covering with plastic wrap, use a heavy duty plastic wrap, such as Saran. Some lightweight plastic wraps can melt if in contact with a hot temperature probe for a long time.
- If necessary, use a hot pad to remove hot temperature probe. During cooking the probe could become hot enough to burn you.
- Wash the probe with hot, soapy water. Do not immerse the probe plug in water or wash in an automatic dishwasher. Rinse and dry probe thoroughly.
- Always remove the temperature probe after use. Store the temperature probe somewhere other than inside the Radarange Oven, in a place where it won't be lost or damaged.

Don't

1. Do not attempt to force the temperature probe into solidly frozen foods. The temperature sensor tip could be damaged or the probe could break.
2. Do not use the temperature probe in conjunction with foil or other metal. Arcing could result. **If a recipe suggests the use of foil, do not use the temperature probe for cooking.**
3. Do not immerse the temperature probe plug in water or wash in an automatic dishwasher. An electrical problem could occur.
4. Do not store the temperature probe inside the Radarange Oven.
5. Do not attempt to operate the microwave oven if the temperature probe should accidentally get caught in the oven door.
6. Do not use the Automatic Temperature Control System when cooking different dishes or foods in the Radarange Oven at the same time. Because different foods cook at different rates, the results may be unsatisfactory.

TRY IT! Cooking to Temperature






Try using the Automatic Temperature Control System to heat water to 190° F to make instant coffee.

- A. **Before using the temperature probe, wash it in hot soapy water.**
Never immerse the probe plug in water. Rinse and dry.
- B. **Place cup of cold water in Radarange Oven.**
- C. **Insert probe plug into the probe receptacle** on the right side of the microwave oven cavity.
- D. **Place tip of probe in center of cup.**
- E. **Close Radarange Oven door.**
- F. Touch **RESET**.
- G. Touch **9**. You always touch the middle number of the desired end temperature. See chart on page 23.
The lowest temperature which can be sensed by the temperature probe is 110°F; the highest 190°F.
- H. Touch **TEMP CONTROL**. This sets the Touchmatic Control to cook food to and hold the food at the temperature specified.
- I. Push **START** switch. When using the automatic temperature control system, no cooking time is programmed, since the oven will cook by temperature alone. Notice the red Cooking light is on and it is not pulsing; this indicates the Radarange Oven is cooking at Full Power.

For

110°F	Touch	1
120°F	Touch	2
130°F	Touch	3
140°F	Touch	4
150°F	Touch	5
160°F	Touch	6
170°F	Touch	7
180°F	Touch	8
190°F	Touch	9



 ACTUAL TEMPERATURE PROGRAMMED TEMPERATURE

Also notice the red light in the middle of the  pad. This light is on when the Radarange Oven is cooking by temperature.

Watch the readout display. On the right side will be a red "9". This indicates the end temperature you have programmed (remember 9 stands for 190°F. You always program the **middle** number of the desired temperature.)

On the left side you will see a number indicating the **actual** temperature. A "0" means that the actual temperature of the water is less than 110°F, the lowest temperature sensed by the temperature control system. A "1" would indicate the actual temperature is 110°F. The number on the actual temperature readout will increase until the programmed temperature is reached.

The Radarange Oven will sound a tone when the programmed temperature is reached and both numbers displayed are the same.


J. Push the **STOP** switch when you hear the tone. (Don't worry

if you don't push **STOP** immediately, because the Radarange Oven will hold the water at 190° F until you stop it, as you will learn in "Holding at Temperature".)

K. **Add instant coffee to water.**


Note: In this example, you cooked to temperature using Full Power.

You can also cook to temperature using a lower Cookmatic power level. For example, if you were heating milk or hot chocolate you would want to cook at Cookmatic Level 8 (Medium High) to 140°F. To cook at a lower Cookmatic level, complete Steps "A" through "H" at left, then touch the Cookmatic level number

and  pad before pushing the **START** switch.


Note: The Radarange Oven has an automatic "temp-probe check".

Whenever the oven's Touchmatic Control is told to cook with temperature, it automatically checks to be sure the probe plug is securely fastened in the oven receptacle and is working correctly. If the probe plug is not securely placed in the receptacle or is not working correctly, the **Error Signal** sounds (a short tone)







and the display returns to time of day when you touch .

So—if the Error Signal sounds and the display returns to time of

day when you touch  —check the following:

- 1) Is the probe plug securely inserted into the oven receptacle? If not, reinsert the probe and reprogram instructions.
- 2) If the Error Signal still sounds when you touch , the probe may be broken. See page 45 for instructions of what to do when service is required.




Summary — To Cook to Temperature

1. Insert probe into food and oven receptacle.
2. Touch .
3. Touch middle number of desired end temperature (to cook to 140° F, touch .
4. Touch .
5. If less than full microwave power is desired, touch Cookmatic power level number, then touch .
6. Push  switch.
Readout on right side of display signifies desired end temperature. Readout on left side signifies present temperature. The numbers displayed are the **middle** numbers of the temperatures ("4" means 140° F).
When the actual temperature reaches desired end temperature, a signal sounds.
7. Push  switch to turn oven off when signal sounds that the food has cooked to temperature.

TRY IT! Holding at Temperature

The temperature-holding capability of your Amana RR-9TA Radarange Microwave Oven allows you to prepare the most even, tender meats ever cooked in a microwave oven. You can also maintain a precise simmer of sauces, stews and soups for as long as you wish. And you can hold a casserole, fondue, meat or almost any other food at serving temperature for even the latest of the late-comers.

To illustrate, suppose you want to hold liquid at a 140° F temperature.

- A. Place a cup or glass of fresh cold water in the Radarange Oven.
- B. Insert probe into the middle of cup. Insert the probe plug into the oven receptacle.
- C. Close Radarange Oven door.
- D. Touch .
- E. Touch . Remember, you touch the middle number of the desired temperature.
- F. Touch .

- G. Push **START** switch. The Radarange Oven will heat the water with full microwave power to 140°F. The microwave power will then cycle on just often enough to maintain the temperature at 140° F until you turn the oven off, by

pushing the **STOP** switch. The red light in the middle of the



pad indicates the oven is programmed to take the food to the given temperature and hold it there automatically. The red Cooking light is on indicating that the oven is generating microwave power.

Notice the readout display. The "4" on the right side of the display indicates the oven is holding the food at 140°F. The number on the left side of the display is the actual temperature of the food at any given time. The left number will go from 0 to 4 as the water is heated. When the left number reaches 4 (the desired temperature) a tone will sound and the Cooking light will go out. At this point, the food has cooked to temperature, and the oven begins "holding at temperature" automatically.

While holding at temperature, you may notice the left number fluctuate between 3 and 4 and the Cooking light flashing on and off. This is normal. As the water cools slightly, the microwave power cycles on just often enough to reheat the water to 140°F.

- H. Push **STOP** switch to turn oven off.

- I. Touch **RESET** to return readout display to correct time of day.

Note: In the above example, you cooked and held at temperature using full microwave power. To cook at a lower Cookmatic power level, complete Steps "A" through "F", then touch the desired Cook-

matic power level number and








pad before pushing

the **START** switch.

Note: If you wish to use the temperature hold feature, especially with cooked meat, poultry or fish, it should be held at 140°F or above to prevent the growth of bacteria or the production of toxins.

Summary — To Hold at Temperature

1. Insert probe into food and oven receptacle.
2. Touch **RESET**.
3. Touch middle number of desired holding temperature (to hold at 150° F, touch **5**).


4. Touch .
5. If less than full microwave power is desired, touch Cookmatic power level number, then touch .
6. Push  switch.
7. Push  switch to turn oven off when desired.
8. Touch  to return readout display to correct time of day.

TRY IT! Changing Programmed Temperature While Cooking

Occasionally you may want to change the programmed temperature while you're cooking. This can be done while cooking to temperature or while holding at temperature. To try this, complete Steps "A" through "G" of "TRY IT! Holding at Temperature", pages 24-25. To change the temperature without stopping the oven:

A. Touch middle number of desired temperature (Touch  for 150° F).



B. Touch .

C. Push  switch to turn the oven off, when desired.

D. Touch  to return readout display to correct time of day.




If you change the programmed temperature before the oven has reached the originally programmed temperature, the signal will sound when the newly programmed temperature is reached.

If you change the programmed temperature after the oven is holding at the originally programmed temperature, the signal will have already sounded (for the originally programmed temperature), so it will not sound when the newly programmed temperature is reached. In this case, if you want the signal to sound when the newly




programmed temperature is reached, push , program the new temperature, and push .

TRY IT! Using the Temperature Probe Without Cooking

You can also use the temperature probe as a thermometer, even when the oven isn't cooking! For example, you may want to measure to see if tap water is warm enough to soften dry yeast (110°F), or if food is less than serving temperature (less than 140°F).

- A. Place a glass of hot tap water in the Radarange Oven.
- B. Insert temperature probe in the water. Insert probe plug into the oven wall receptacle.
- C. Touch .
- D. Touch  pad. The number which appears on the left side of the readout display signifies the actual temperature. For example, if a "2" appears on the display the water is 120° F. If a "0" appears, the water is less than 110° F.
- E. Touch  to return readout display to time of day.

Summary — To Use the Temperature Probe Without Cooking

1. Insert temperature probe tip into food; insert probe plug into oven wall receptacle.
2. Touch .
3. Touch .
4. To return readout display to correct time of day, touch .

In this session you have learned to use the Automatic Temperature Control System both to cook to temperature and to hold food at a given temperature. We'd suggest trying each of these cooking procedures on your own before going on to Session #6. In Session #6 you'll learn to use the Cooking Programs of your Amana RR-9TA Radarange Microwave Oven.

Remember—the temperature probe should not be stored in the Radarange Oven when not in use. When you're through using it:

- Unplug the probe plug from the oven receptacle.
- Wash the probe in hot, soapy water. Do not immerse the jack in water or wash in a dishwasher. Rinse and dry probe thoroughly.
- Store the probe somewhere other than inside the Radarange Oven. Store the probe in a place where it won't be lost or damaged.

Programmed Cooking/ The Error Signal/ Touchmatic Instant Replay


Your Amana RR-9TA Radarange Microwave Oven has a memory which allows it to remember two programs—and it can automatically remember a special “third” program, too.

With programmed cooking you can combine the different ways of microwave cooking you learned in Sessions #2 through #5 to achieve optimum flavor and tenderness. Yet you only program the instructions once, and you can often forget the food until serving time.

For programmed cooking you will use a section of the Touchmatic Control you didn't use in the previous sessions. Locate this control on your Radarange Oven:



COOKING PROGRAM PAD — Used to “advance” to the second program level. Also used when reviewing programmed instructions.

By using the  pad, you can set your Radarange Oven to do useful combinations of the following program options (functions):



Defrost with automatic Holding



Cook by time using any 1 of 10 power levels



Cook to temperature and hold using any 1 of 10 power levels.

The automatic defrost holding feature was not used in previous sessions. That's because **automatic defrost holding is not a feature**

which is used by itself. When  is followed with a second program of  or , your RR-9TA will **automatically “hold” for a time period equal to the Defrost time specified.**

Automatic defrost holding should not be confused with “holding at temperature” you learned about in Session #5. Many foods, especially meats, need to be completely defrosted before cooking begins. If not completely defrosted on the inside, as well as the outside, cooking will be uneven. Automatic defrost holding assures the food is completely defrosted before cooking begins. During automatic defrost holding, no microwave power is applied to the food. The Cooking light will be off and the Holding light will be on. The fan stays on to circulate air, but no microwave power is produced. This allows the food temperatures to equalize and assures more uniform cooking.

The automatic defrost holding feature allows you to take food from the freezer to the table in minutes. Frozen foods can be quickly defrosted, then automatically "held" to equalize the food temperature, and then quickly cooked. You don't have to time the holding period and you don't have to return to the oven to set the cooking time.

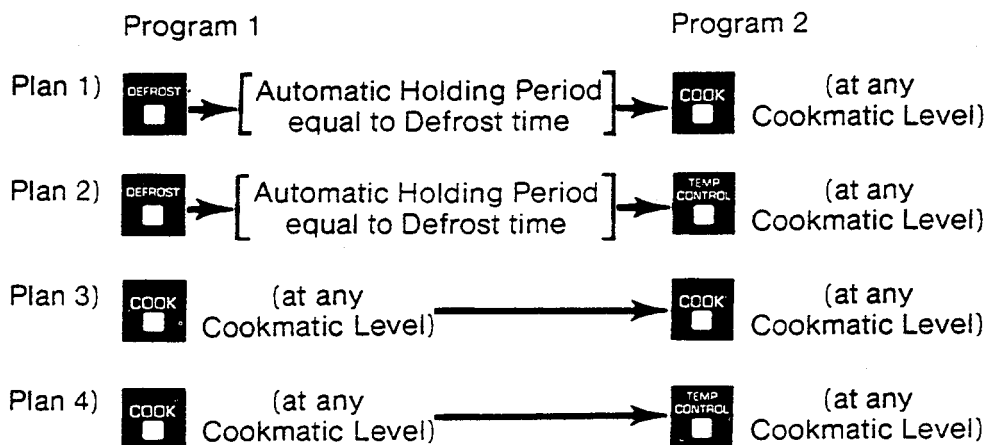
Programming is Simple!

Your Amana RR-9TA provides flexibility and automatic convenience with programmed cooking—while being simple to use. All you do is sequentially touch the correct Touchmatic pads and push the start switch.

With your RR-9TA you can combine these functions or program options:



into these four (4) basic programmed cooking sequences:



To decide when to use programmed cooking, check the recipe or food chart and see if it tells you to cook the food first one way and then another, in sequence. If so, see which of the above cooking program sequences fits the recipe. Then program your Radarange Oven to cook the first way in Program 1 and second way in Program 2.

For programmed cooking touch the pads in this sequence:

- Touch .
- Give your RR-9TA the instructions for Program 1.
This is done just as you learned in Sessions #1 through #5. Always tell it a number (or numbers) before you tell it a function (or).

- Touch the **COOKING PROGRAM** pad to “step” or “advance” to Program 2.
- Give the instructions for Program 2. Just as you did in Program 1, tell it a number (or numbers) before you tell it a function (**COOK** or **TEMP CONTROL**).
- Then push **START** . Your RR-9TA will always begin cooking in Program 1.

Cooking Programs are Easy to Check!

Once you've touched in instructions, it's easy to check to be sure you've made no mistakes. You should always check cooking programs before starting the Radarange Oven. If you don't correct a mistake, food won't be cooked properly—or it could even be ruined.

The **COOKING PROGRAM** pad is used to check programs. This is done while the oven is not running. For example, after programming the instructions for Program 2, and before starting the Radarange Oven, touch

COOKING PROGRAM once, and the time of day will be displayed. Touch

COOKING PROGRAM a second time and the red lights will show you what is

programmed for Program 1. Touch **COOKING PROGRAM** a third time and you can review Program 2 instructions.

If the Radarange Oven has started and you want to check what's programmed for Program 2, simply push **STOP** and touch **COOKING PROGRAM** until the Program 2 light is flashing. You can now review what is programmed for Program 2.

After checking, push **START** and the Radarange Oven will resume cooking where you stopped it.

TRY IT! Programmed Cooking


For practice using the cooking programs, let's pick an example of each of the four (4) basic cooking program plans from your Amana cookbook. We will substitute a glass or cup of fresh, cold water for the food, and we will shorten some of the cooking times so that you can get quick practice.

A. Cooking Program Sequence 1: Defrost—Automatic Hold—Cook by Time

- 1) Refer to the "Frozen Sandwich Defrosting and Heating Chart" in your Amana cookbook.
 - This chart provides one example of the many times you will want to use the Defrost—Hold—Cook by Time cooking programming sequence.
 - Let's use the 3-1/2—4 oz. frozen sandwich on the first line as our example.
 - Notice the defrosting time on Defrost is 1 minute.
 - See that you are to allow a holding time equal to the defrost time.
 - Note the cooking time is 30 seconds to 1 minute on Full Power.

2) Place a glass or cup of fresh, cold water in the Radarange Oven.

3) Close oven door.

4) Touch . (Remember—this is to cancel any "leftover" instructions.)

5) Touch all pads required for Program 1 (Defrosting):

—The 1st Cooking Program in our example is to defrost 1 minute.

—Program as you learned in Session #4.

Touch  , then  , then .

Touch .

6) Touch the  pad.



—Notice the display is blank and the red light in the Defrost pad is no longer on.


—Now notice that the Program 1 light is on and the Program 2 light is flashing. This means that the Radarange Oven is remembering what it was told to do in Program 1, and it is ready to accept instructions for Program 2.

7) Touch all pads required for Program 2 (cooking by time):





—Our example is to cook 30 seconds to 1 minute at Full Power.

—Program as follows:

Touch  , then .

Touch . (Note: You must touch the function pad—even when cooking on Full Power—whenever you are giving your RR-9TA instructions for more than 1 cooking program.)

- 8) **Check to be sure you've programmed instructions correctly.**
To check:

- Touch . The display will show the time of day, and the Program 1 and Program 2 lights will be on telling you the Radarange Oven is remembering to do something in both programs.
- Touch . The display shows 1 minute of cooking time, the red light in the Defrost pad shows the Radarange Oven will be defrosting, and the Program 1 light is flashing, telling you that these instructions are for Program 1.
- Touch . The Program 2 light is flashing, telling you the instructions being displayed are for Program 2. The red light in the  pad is on, showing the oven will be cooking, and 30 seconds is the cooking time in the display.

- 9) Push .

- Watch as the oven defrosts for 1 minute.
- When defrosting time has completed, notice the Holding light is on, the Cooking light is off, and the display is counting down 1 minute. This is the automatic defrost holding (equal to defrost time).
- After holding 1 minute, the oven will cook 30 seconds on Full Power.

B. Cooking Program Plan 2: Defrost—Automatic Hold—Cook to Temperature

- 1) **See the instructions on page 21 regarding the use of the temperature probe with frozen foods.**
- 2) **Refer to the "Frozen Main Dish Defrosting Chart" in your Cookbook.**
 - This chart is just one example of a Defrost—Automatic Hold—Cook to Temperature sequence.
 - Look at the instructions for "1 quart", and substitute seconds for minutes to save time in our practice.
 - Note that a holding time equal to the defrosting time is recommended.
 - Substitute 15 seconds for 15 minutes defrosting time. Instead of cooking by time, use the special instructions to use the temperature probe and cook to 150° F at Cookmatic Level 8 in the 2nd Cooking Program.
- 3) **Place a glass or cup of fresh, cold water in the Radarange Oven.**

- 4) Insert probe plug into the probe receptacle.
- 5) Place tip of probe in center of cup.
- 6) Close oven door.
- 7) Touch **RESET**.
- 8) Touch all pads required for Program 1 (Defrosting):
 - Our practice example is to defrost 15 seconds.
 - Program as you learned in Session #4:

Touch **1**, then **5**.

Touch **DEFROST**.
- 9) Touch **COOKING PROGRAM** pad to advance to Program 2.
- 10) Touch all pads required for Program 2 (Cooking to temperature):
 - The 2nd Cooking Program is to cook to 150° F at Cookmatic Level 8.
 - Program as you learned in Session #5:

Touch **5**, for 150° F.












Touch **TEMP CONTROL**.

Touch **8**.

Touch **COOKMATIC LEVEL**.
- 11) Check to be sure you programmed the instructions correctly by touching the **COOKING PROGRAM** pad.
 - Touch **COOKING PROGRAM** once and see time of day.
 - Touch **COOKING PROGRAM** a second time and review Program 1.
 - Touch **COOKING PROGRAM** a third time and review Program 2.
- 12) Push **START**. The oven will defrost 15 seconds, automatically hold 15 seconds, and cook to 150° F using Cookmatic Level 8.
- 13) Push **STOP** and touch **RESET**.

C. Cooking Program Sequence 3: Cook by Time—Cook by Time

- 1) Refer to the "Dried Legume Cooking Chart" in your Amana cookbook.
 - Let's use Baby Lima Beans as our example, substituting seconds for minutes.

- We will cook on Full Power for 8 seconds for the 1st Cooking Program.
 - For the 2nd Cooking Program we will cook on Cookmatic Level 4 for 12 seconds.
- 2) Place a cup or glass of fresh, cold water in the Radarange Oven.
 - 3) Close oven door.
 - 4) Touch .
 - 5) Touch all pads required for Program 1 (the 1st Cooking Time):
 - Touch .
 - Touch . (Note: You must touch the function pad—even when cooking on Full Power—whenever you are using more than 1 cooking program.)
 - 6) Touch the  pad.
 - 7) Touch all pads required for Program 2 (the 2nd Cooking Time):
 - Touch , then .
 - Touch .
 - Touch .
 - Touch .
 - 8) Check to be sure you've programmed instructions correctly by touching the  pad successively and reviewing the Touchmatic Control.
 - 9) Push . The oven will cook at Full Power for 8 seconds, and then cook at Cookmatic Level 4 for 12 seconds.
- D. Cooking Program Sequence 4: Cook by Time—Cook to Temperature.**
- 1) Refer to the “Meat Cooking Methods: Summary Chart” in your Amana cookbook.
 - Look at the Tender Meats instructions.
 - Let's cook at Cookmatic Level 9 for 20 seconds for the 1st cooking time.
 - For the 2nd Cooking time, let's cook to a temperature of 140° F, at Cookmatic Level 6.
 - 2) Place a glass or cup of fresh, cold water in the Radarange Oven.
 - 3) Insert probe plug into the probe receptacle.
 - 4) Place tip of probe in center of cup.
 - 5) Close oven door.

6) Touch **RESET**.

7) Touch all pads required for Program 1 (Cooking by time):

—Touch **2**, then **O**.

—Touch **COOK**.

—Touch **9**.

—Touch **COOKMATIC LEVEL**.

8) Touch the **COOKING PROGRAM** pad.

9) Touch all pads required for Program 2 (Cooking to temperature):

—Touch **4**.

—Touch **TEMP CONTROL**.

—Touch **6**.

—Touch **COOKMATIC LEVEL**.

10) Check and review the instructions by using the **COOKING PROGRAM** pad to advance.

11) Push **START**. The oven will cook for 20 seconds using Cookmatic Level 9, and then cook to 140°F, using Cookmatic Level 6.

12) Push **STOP** and touch **RESET**.

Summary — To Cook With Cooking Programs

1. Touch **RESET**.
2. Touch all pads for Program 1, touching numbers before functions.
3. Touch the **COOKING PROGRAM** pad to advance to Program 2.
4. Touch all pads for Program 2, touching numbers before functions.
5. Check to be sure you've touched in all the programs correctly by touching **COOKING PROGRAM** to advance.
6. Push **START** switch.

Suggested Recipes for Programmed Cooking

Many recipes in the Amana cookbook may be cooked most conveniently by using programmed cooking. Below are titles of some charts in the Amana cookbook. The foods in these charts are particularly suited to programmed cooking:

Appetizers and Snacks
Frozen Convenience Food Chart
Frozen Breads Chart
Frozen Sandwich Defrosting and Heating Chart
Fish and Seafood Convenience Food Chart
Beef Defrosting and Cooking Charts
Pork Defrosting and Cooking Charts
Lamb Defrosting and Cooking Charts
Veal Defrosting and Cooking Charts
Frozen Convenience Meat and Main Dish Chart
Frozen Main Dish Defrosting Chart
Poultry Defrosting Chart
Frozen Fried Chicken Cooking Chart
Frozen Turkey Roast Cooking Chart

To Change a Cooking Program After the Oven is Started

Sometimes you may want to change part of a cooking program after you've started the oven. For example, you may want to change the end temperature, the length of cooking time or the Cookmatic power level to be used.

- **To change Program 1 while the oven is cooking in Program 1,** simply touch in the correct instructions, touching the number (or numbers) first and then touching the function.

- **To change Program 2 while the oven is cooking in Program 1,**

push **STOP**. Touch **COOKING PROGRAM** to advance to Program 2. Touch new instructions for Program 2, touching number (or

numbers) first and then touching the function. Push **START** and the Radarange Oven will resume cooking in Program 1.

- **To change Program 2 while the oven is cooking in Program 2,** simply touch in the new instructions—no need to stop the oven. Remember to touch the number (or numbers) first, and then touch the function.

The Error Signal

Programmed cooking is so easy with your Radarange Oven—it can even tell you when you have accidentally programmed something illogical. There are two programmed cooking combinations—one

using **TEMP CONTROL** and the other using **DEFROST**—which your RR-9TA will not accept because the combinations are illogical. If you should accidentally try to program either one of these combinations, your RR-9TA will not accept the instructions and it will sound the Error Signal (a short tone).


When **TEMP CONTROL** is the function used in Program 1, your RR-9TA will not accept any instructions for Program 2. An attempt to do so produces

the Error Signal. Recall what **TEMP CONTROL** does—it takes the food to the set temperature and then holds the food at the set temperature until the oven is turned off. Therefore, with **TEMP CONTROL** in Program 1, the RR-9TA will not advance to Program 2.

Your RR-9TA will not accept instructions to **DEFROST** in Program 2. An attempt to do so produces the Error Signal. When using **DEFROST** in a cooking program plan, you will want to defrost the food first before cooking it. So it is illogical to put **DEFROST** in Program 2.

TRY IT! Producing the Error Signal

Let's try programming an example of each of the two illogical cooking program combinations so that we will know what the Error Signal is and just when it occurs.

To illustrate the illogical  cooking program combination, try to tell the Radarange Oven to cook to 120° F and hold at 120° F in Program 1, and then to cook for 3 minutes in Program 2.


- A. Place a cup or glass of hot water in the Radarange Oven.
- B. Insert the tip of the temperature probe in the water; insert the probe plug into the oven receptacle. Close oven door.
- C. Close Radarange Oven door.


D. Touch .


E. Touch all pads for Program 1.

1) Touch 2, (for 120°F).

2) Touch .


F. Touch the  pad to attempt to advance to Program 2.

- 1) The Error Signal sounds when you touch the  pad, and the Radarange Oven will not advance to Program 2.
- 2) Notice that the Program 1 instructions are still being displayed. The Radarange Oven accepted the Program 1 instructions because these are valid instructions.


G. Push . The Radarange Oven will heat the water to 120° F and then hold the water at 120° F until you stop the oven. This is why the Radarange Oven will not accept instructions for

Program 2 when  is used in Program 1.

H. Push  and touch .


To illustrate the illogical  cooking program combination, let's try to tell the Radarange Oven to cook for 1 minute in Program 1 and defrost for 30 seconds in Program 2.


- A. Place a glass or cup of fresh, cold water in the Radarange Oven.
- B. Close Radarange Oven door.

C. Touch .

D. Touch all pads required for Program 1.



1) Touch , then , then .

2) Touch .


E. Touch the  pad to advance to Program 2.

F. Touch all pads required for Program 2.

1) Touch , then .



2) Touch . The Error Signal sounded when you touched  and the display went blank.

Notice also that the Program 1 light is glowing and the Program 2 light is flashing. This tells you that the Radarange Oven is remembering the instructions you put into the 1st Cooking Program and the Radarange Oven is ready to accept valid, logical instructions for the 2nd Cooking Program. You can now either

program the oven to use  or  in Program 2, or you can start the oven and use only the 1st Cooking Program.

G. Touch  to return to time of day.

Summary — To Avoid the Error Signal

1. Whenever  is used in the 1st Cooking Program (Program 1) do not attempt to put instructions in Program 2.
2. Do not attempt to use  in Program 2.

Touchmatic Instant Replay

Your Amana RR-9TA Radarange has "instant replay" features that let you ask it questions. Questions like:

What time is it? (For example, you may want to know the time while the oven is cooking.)

What's the temperature of the food? (For example, to decide if a food needs reheating or if water is "lukewarm" as called for in recipe.)

TRY IT! Touchmatic Instant Replay

- A. Place a cup or glass of fresh, cold water in the Radarange Oven.
 B. Insert the probe into middle of cup. Insert the probe plug into the oven receptacle.

C. Touch .

D. Touch-in these instructions:

1st Cooking Program: Defrost 1 minute



2nd Cooking Program: Cook to and hold at 140° F
 using Cookmatic Level 5


1) Touch , then , then .


2) Touch .


3) Touch .



4) Touch , then .


5) Touch , then .


- E. To ask the oven "What's the temperature of the water?" touch .
- A number should appear on the left side of the readout display. This tells you the actual temperature of the water right now. (Remember the number on the display is the **middle** number of the actual temperature. A "3" means 130° F. A "0" means the water is less than 110° F.)

Touch . This returns the readout display to show Program 1 instructions, then Program 2 instructions, and then time of day when touched successively.

- F. To ask the oven "What did I tell you to do in the second cooking program?" Touch  successively until the Program 2 light is flashing. The lights which are on tell you what the oven will be doing in the second cooking program.

- G. Push  switch. The oven will now start the sequence you told it to do. You could ask the oven "What's the temperature of the water?" while it is operating. To do so, touch , as you did above.



H. To ask the oven "What time is it?" touch . The readout display will now show the time of day.

Touch  to return the readout display to the ongoing cooking function.

I. Push  and touch .



Summary — To Check Present Temperature of Food

(temperature probe must be inserted)




1. Touch . Readout will be the middle number of the actual temperature ("4" means 140° F).
2. To return to display of ongoing function, touch .

Summary — To Check Present Time of Day

(clock must be set to correct time of day)

1. Touch . Readout will be present time of day.
2. To return to display of ongoing function, touch .

Summary — To Review Cooking Program 2

1. If the oven is operating, push .
2. Touch  to advance to Program 2.
3. Push . The oven will begin or resume cooking in Program 1.

Session 7

4

Read "Meal Management," the second section of your Amana cookbook.

In this section you'll learn how to make entire meals in your microwave oven.



Maintenance Tips/ Cleaning the Unit

To Clean The Oven Interior

The inside walls and floor are made of stainless steel. If they should become splattered, all you do is wipe them with a paper towel or clean with a mild detergent in warm water using a soft sponge or cloth. If desired, a cup of water can be boiled in the oven to loosen soil before cleaning.

Do not use an abrasive to clean the inside. It might damage the stainless steel. Never pour water into the bottom of the oven.

To Clean The Glass Tray, lift up the tray and remove. Wash in warm water and detergent or in a dishwasher. Replace with drip tray pattern up. Do not operate the oven without tray in position.

Always Keep The Touchmatic Plate Clean.

If it is not clean, it may not register the instructions you touch. To clean the Touchmatic plate merely wipe with a **damp** soft cloth or sponge. If the time of day display is accidentally erased from the Touchmatic

Control, merely touch **RESET**, then set the correct time of day.

To Clean The Temperature Probe wash the metal probe in hot soapy water. Do not immerse the probe plug or wires in water. Do not wash probe in dishwasher.

To Clean The Discharge Air Vents

There will be a slight build-up of cooking vapors in the discharge vent located in the upper right hand corner, above the control panel. This vent should be cleaned occasionally. Do not attempt to remove the front of the Touchmatic Control module; it is an integral part of the oven. Clean the air vent with a damp cloth.

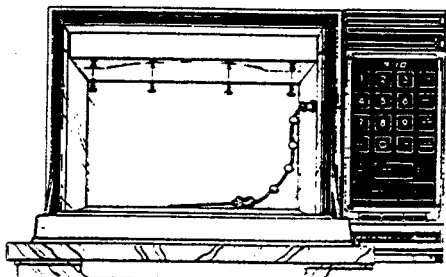
To Clean The Splatter Shield Inside Oven

The splatter shield keeps the top of the oven and antenna from getting dirty. Normally, a damp cloth will remove any splatter from the shield.

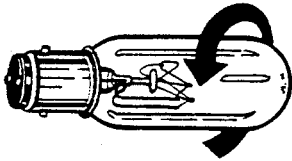
However, if you want to clean it more thoroughly, remove the splatter shield. **Be careful not to bend the antenna when removing the splatter shield.** The shield is secured by four screws in recessed wells in the front underside of the shield and four tabs which fit into slots in the back oven wall. Remove the four screws. Then carefully lower the shield and, clearing the antenna, pull the shield forward out of the back wall slots and out of the oven.

Wash the shield in hot, soapy water. **Do not wash in a dishwasher. Do not use harsh or abrasive cleansers.**

When replacing, again be careful not to bend the antenna. Also be sure the splatter shield tabs fit snugly into the slots in the back of the oven before replacing the screws.



How to Change the Oven Light in Model RR-9TA



To remove bulb, press in and turn counterclockwise.

Always unplug the oven from the electric outlet before you change the oven light.

The light bulb for the inside of the oven can easily be changed from the back. On the upper right hand side of the oven back is a metal plate with one screw. The light bulb is located behind this plate.

Follow these steps to change the bulb:

- a) Unplug the Radarange Oven from the electric outlet.
- b) Facing the oven back, remove the screw, allowing the metal plate and light to swing outward.
- c) Remove the bulb, being careful not to burn fingers or break the bulb. (To remove the bulb press into socket and turn counterclockwise.)
- d) Replace the bulb with a 25 watt 25T8DC bayonet base bulb. (To replace the bulb press into socket before turning clockwise.)
- e) Reposition the plate, being careful not to bend the hinge tabs. Replace the screw.
- f) Connect the Radarange Oven to the power outlet.

If the Glass Tray Should Break

The glass oven tray must be in place when operating the oven. This allows the microwaves to be reflected up into the bottom of the food that is being cooked. The tray is a special type of glass and, if it is accidentally broken, it must be replaced with the same type of glass from your Amana Dealer.

Before You Call for Service

If the readout display doesn't light up, please check:

- Is the oven plugged securely into the power outlet?
- Is a fuse blown or circuit breaker open?

If microwave power won't come on:

- Did you push the **START** switch?
- Is the oven door securely closed?

If food is overcooked:

- Did you remember to program the correct Cooking Power Level? (Review instructions, page 13.)

If food is undercooked:

- Are there other energy-consuming appliances on the same circuit as the microwave oven? (Review installation instructions, page 2.)
- Is the line voltage to your home low or lower than usual? (The power company in your area should be able to tell you if there is low voltage to your home.)

If the temperature probe appears not to function correctly:

- Is the probe jack securely inserted into the receptacle?
- Is the food you're attempting to heat already hotter than the temperature you're programming?
- Is the food completely defrosted?

If the time of day readout is erased:

- Power to the oven has likely been interrupted momentarily. Touch **RESET** before you set the clock as instructed on page 6.

If the readout appears wrong:

- Did you remember to touch **RESET** before programming the oven?
- Have you (or someone else) touched the Touchmatic Control pads after cooking is started? If the readout ever appears wrong, touch

COOKING PROGRAM

to see the readout of what the oven is doing right now.

If the Touchmatic Control will not accept your instructions:

- Did the Error Signal sound when you touched **TEMP CONTROL**? If so, check to see if the probe jack is securely inserted into the oven receptacle. (Review explanation, page 23.)

- Did the Error Signal sound when you touched **COOKING PROGRAM**? If so,

you are attempting to follow **TEMP CONTROL** in the 1st Cooking Program with a 2nd Cooking Program. (Review explanation, pages 36-38.)

- Did the Error Signal sound when you touched **DEFROST**? If so, you are attempting to put **DEFROST** instructions into Program 2. (Review explanation, pages 36-38.)

If another feature doesn't appear to be operating correctly:

- Have you followed the use and care instructions exactly? Review them to be sure.
- Did you touch **RESET** before programming the oven?
- Is the oven plugged into a properly grounded and polarized outlet as described in installation instructions (page 2)? Improper installation can result in erratic operation.

If the oven light pulses dimmer, then brighter:

- Is the line voltage to your home low or lower than usual? (The power company in your area should be able to tell you if there is low voltage to your home.)

If room lights dim or pulse dimmer, then brighter when the oven is in use:

- Is the microwave oven on a separate circuit? (Review installation instructions, page 2.)